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PATENT  
Attorney Docket No.: 16838-000320US

Assistant Commissioner for Patents  
Washington, D.C. 20231

TOWNSEND and TOWNSEND and CREW LLP

By: Carmine Loria

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Garold M. Muth

Application No.: 09/370,530

Filed: August 6, 1999

For: PUMP SYSTEMS AND METHODS

Art Unit: 3672

AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Office Action mailed October 10, 2000, please amend the above-identified application as follows:

IN THE CLAIMS:

Please amend the claims as follows (all claims are set forth for convenient reference):

- 1 1. (Amended) A pumping system comprising:
- 2 a pump barrel that is adapted to be placed into a well casing;
- 3 a plunger reciprocatably positioned within the pump barrel, wherein the plunger
- 4 has an open top end with a sharpened edge, a bottom end, and a traveling valve at the bottom
- 5 end;



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